

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

12/09/2011

Jessica Noble  
Assistant District Attorney, Middlesex County

Dear ADA Noble,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Ann Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan  
Chemist  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

# Curriculum Vitae

## Annie Khan (Dookhan)

### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### **Experience:**

2003 – present

#### Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- \*Maintenance and repairs of all analytical instruments.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Notary Public.

2001 – 2003

#### QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)  
GLP/GMP training with Massachusetts Biologic Laboratory.  
QC/QA training according to FDA Codes and Regulations.  
GC and GC/MS trainings with Agilent Technologies and Restek.  
HPLC and LC/MS/MS trainings with Waters Cooperation.  
FTIR training with Spectros.  
TOC training with MBL and Sievers.

### **Association:**

American Chemical Society (ACS)  
Northeastern Association of Forensics Science (NEAFS)

# Curriculum Vitae

Kate A. Corbett

## Education

### **Bachelor of Science Degree, CHEMISTRY May 2003**

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

## Employment

### **Chemist II State Laboratory Institute (March 2008-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

### **Chemist I State Laboratory Institute (2005-March 2008)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

### **Research Associate (September 2003 – August 2005)**

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

### **Intern (March 2003 – August 2003)**

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

L199

*The Commonwealth of Massachusetts*  
Executive Office of Health and Human Services  
Department of Public Health  
State Laboratory Institute

Boston Drug Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Boston Hours  
8:00 – 11:00  
2:00 – 4:00

Amherst Drug Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Amherst Hours  
9:00 – 12:00  
1:00 – 3:00

**DRUG RECEIPT**

City or Department: Burlington Police Reference No.: 8013935

Name and Rank of Submitting Officer: Det. Leary

Defendant(s) Name (last, first, initial):

Vazquez, Manuel

To be completed by Submitter

Description of Items Submitted

To be completed by Lab Personnel

Gross Weight      Lab Number

25 bags of white rock/powder

93.48g

Bag containing brown powder

6.23g

Received by:

AS

Date:

9-5-08

No. [REDACTED] Date Analyzed: 1/9/09  
City: Burlington Police Dept.  
Officer: Detective MATTHEW LEARY  
Def: [REDACTED]  
Amount: Subst: SUB  
No. Cont: 25 Cont: pb  
Date Rec'd: 09/05/2008 No. Analyzed: 8  
Gross Wt.: 93.48 Net Weight: 83.82  
# Tests: 48/48  
Prelim: cocaine (k) Findings: Cocaine • 16KAC

No. [REDACTED] Date Analyzed: 1/8/09  
City: Burlington Police Dept.  
Officer: Detective MATTHEW LEARY  
Def: [REDACTED]  
Amount: Subst: SUB  
No. Cont: 1 Cont: pb  
Date Rec'd: 09/05/2008 No. Analyzed:  
Gross Wt.: 6.23 Net Weight: 0.19  
# Tests: 4/4  
• 2KAC  
Prelim: Heroin Findings: Heroin

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Burlington ANALYST AJG

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt (2s): 86.6237

Offwhite chunky substance  
17.25gbs

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: \_\_\_\_\_

2 large pbs = gross wt of 2 large pbs = 28.7331  
18 medium pbs = gross wt of 18 med. pbs = 52.7160  
gross wt of 51 pbs = 11.8809  
5 small pbs = gross wt of 5 small pbs = 5.1737  
gross wt of 2 pbs = 2.3355

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
S Thiocyanate (-) +  
Y Marquis -  
F Froehde's -  
S Mecke's -

### Microcrystalline Tests

Gold  
S Chloride +  
S TLTA (-) +

### OTHER TESTS

\_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 12-31-08

## GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS  
OPERATOR ICAC

DATE 1-9-09

Sample #

# samples tested: 8

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	14.2986	0.3539	13.9447	26	X =	27.8293	
2	14.4368	0.5522	13.8846	27			
3				28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10	2.9715	0.1486	2.8229	35	X =	11.2377	
11	3.0544	0.2219	2.8325	36	(X) =	2.8094	
12	2.9001	0.1157	2.7844	37	18(X) =	50.5692	
13	2.9574	0.1595	2.7979	38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22	1.3253		1.2307	47	X =	2.1690	
23	1.6114		0.9183	48	$\bar{x}$ =	1.0845	
24				49	S( $\bar{x}$ ) =	5.41225	
25				50			

Calculations:

Net wt

$$\text{Est Net wt} = 27.8293 + 50.5692 + 5.41225 \\ = 83.821$$

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Burlington ANALYST AJG

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): 0.7639

Beige powdered substance  
WPS

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.4995

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate (+)

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

Marquis +

TLTA (-)

Froehde's +

### OTHER TESTS

Mecke's +

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 12-31-08

## GC/MS CONFIRMATORY TEST

RESULTS Heroin

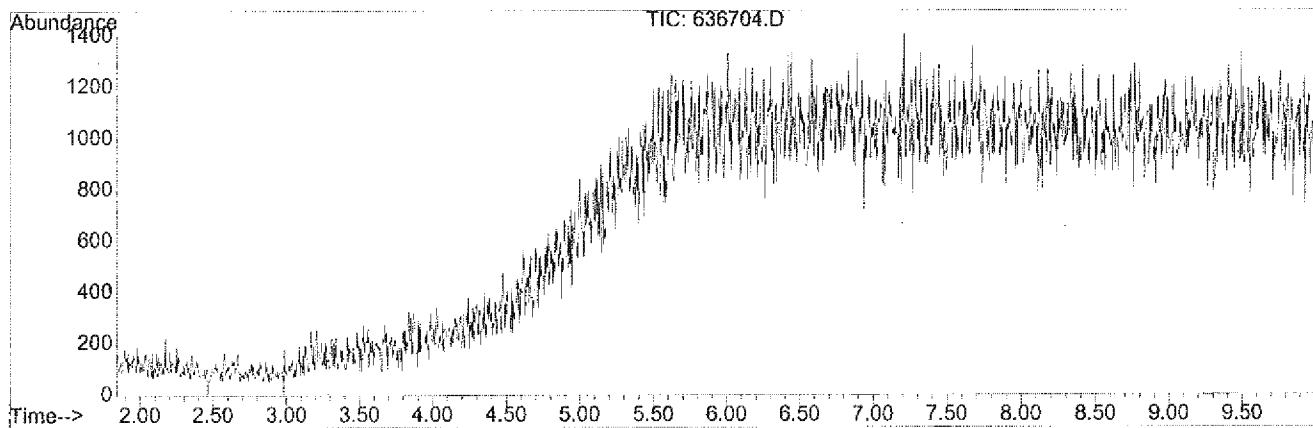
MS  
OPERATOR 1-8-09 KAC

DATE 1-8-09

✓KAC  
12/7/11

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Operator : KAC  
Date Acquired : 6 Jan 2009 14:53  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

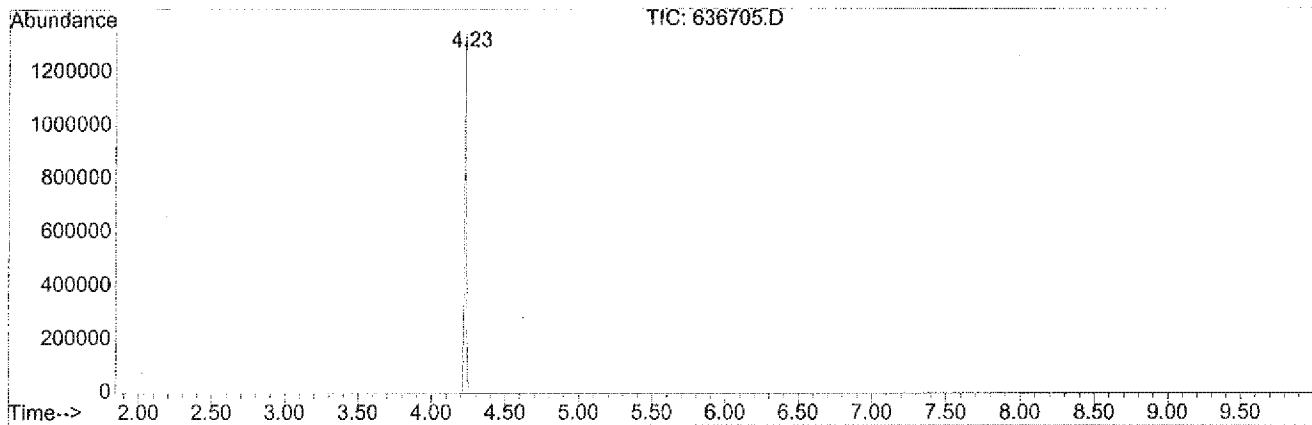
# Area Percent / Library Search Report

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Operator : KAC  
Date Acquired : 6 Jan 2009 15:06  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.229	1203854	100.00	100.00

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# Area Percent / Library Search Report

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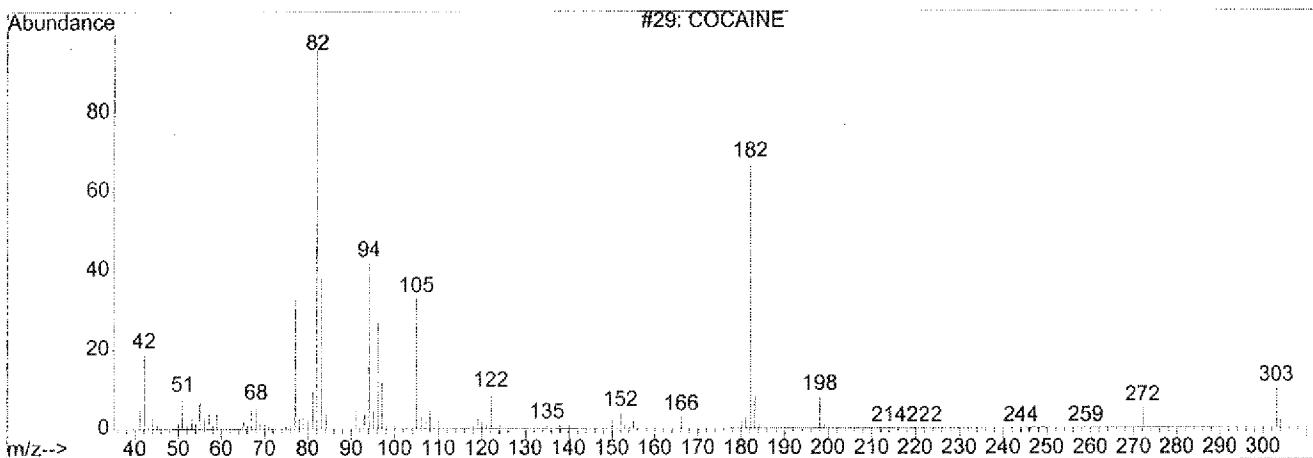
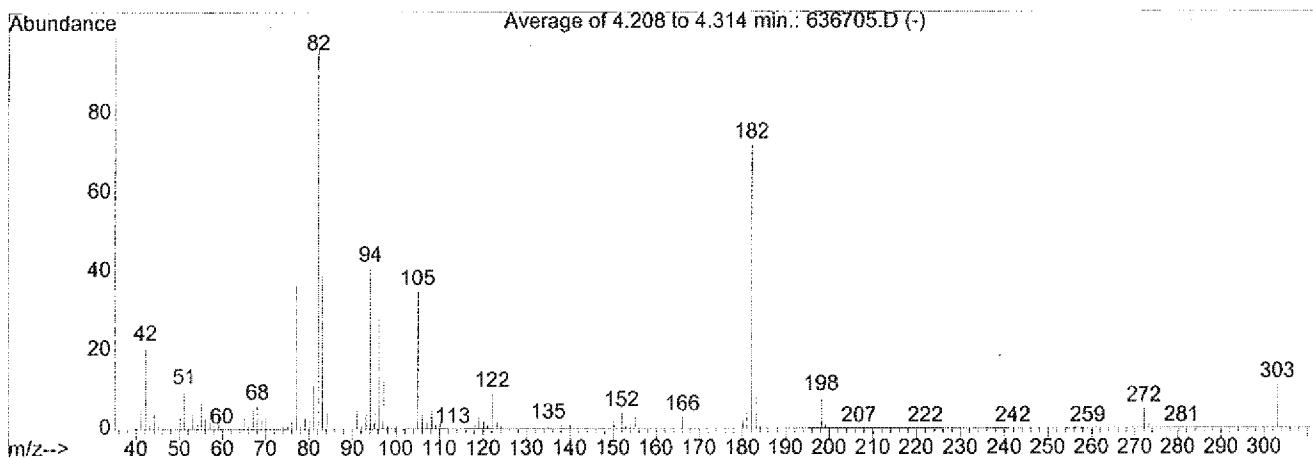
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Operator : KAC  
Date Acquired : 6 Jan 2009 15:06  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
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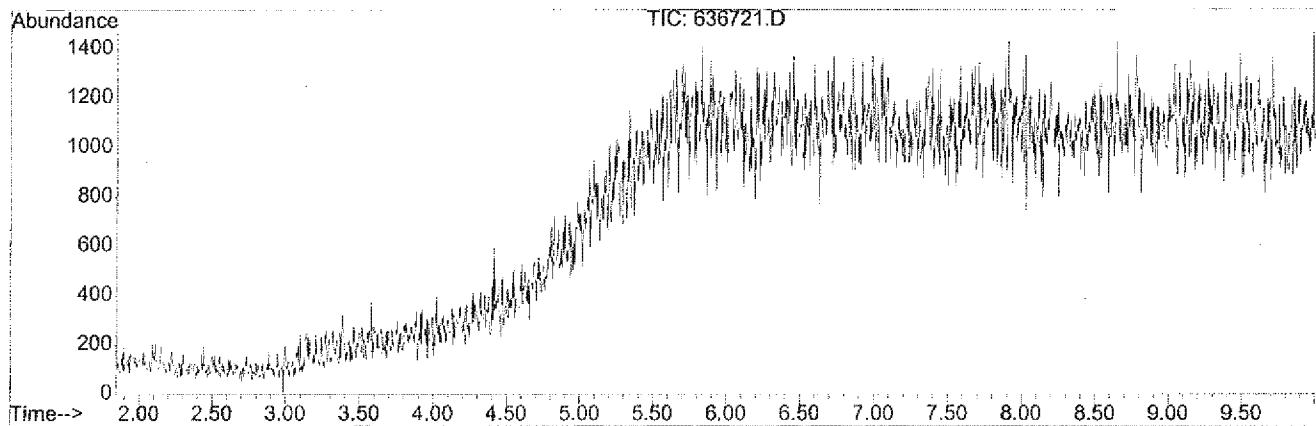
# Area Percent / Library Search Report

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Operator : KAC  
Date Acquired : 6 Jan 2009 18:47  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

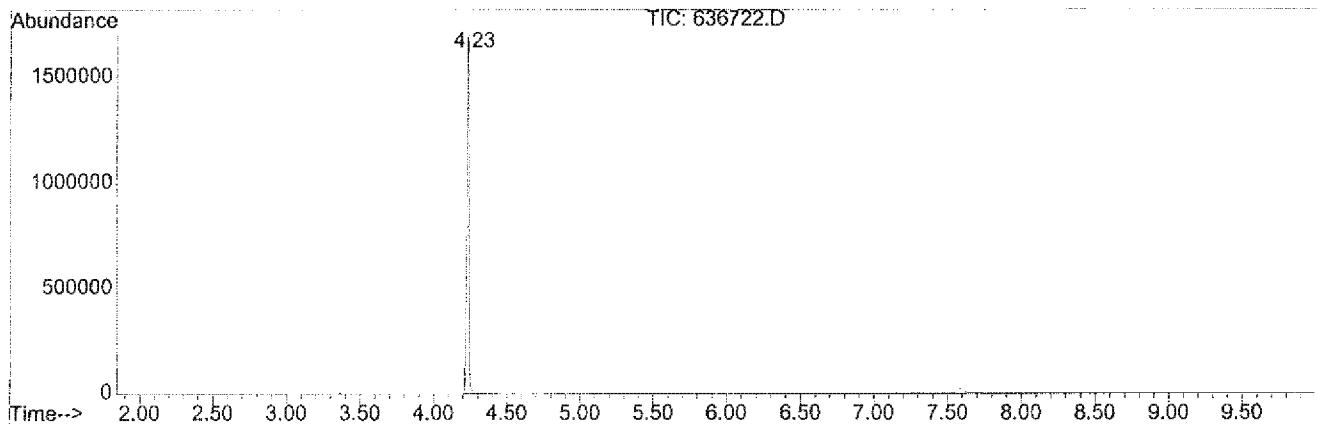
# Area Percent / Library Search Report

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File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636722.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 19:00  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 22  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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# Area Percent / Library Search Report

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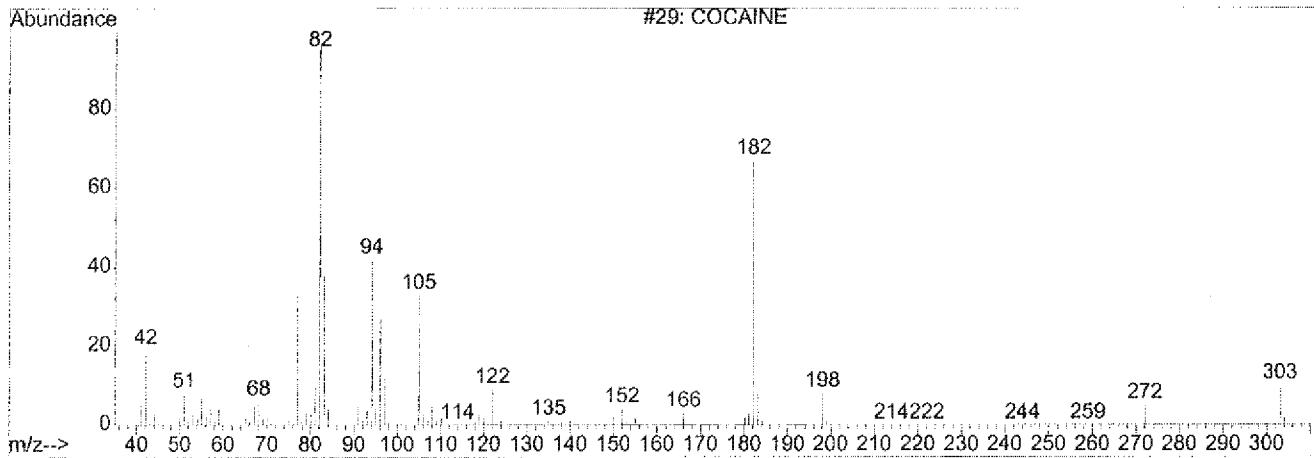
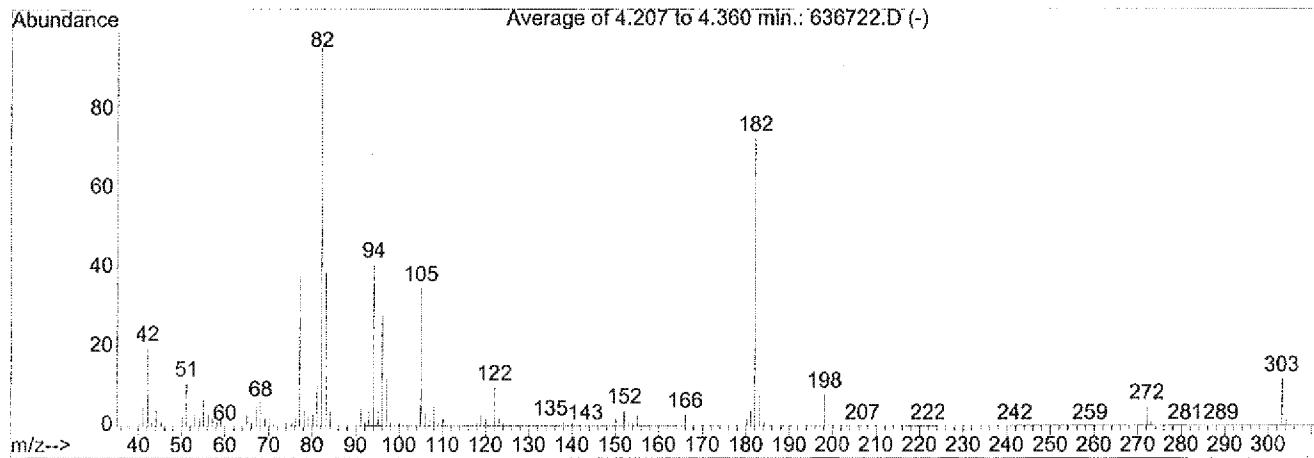
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Date Acquired : 6 Jan 2009 19:00  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 22  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
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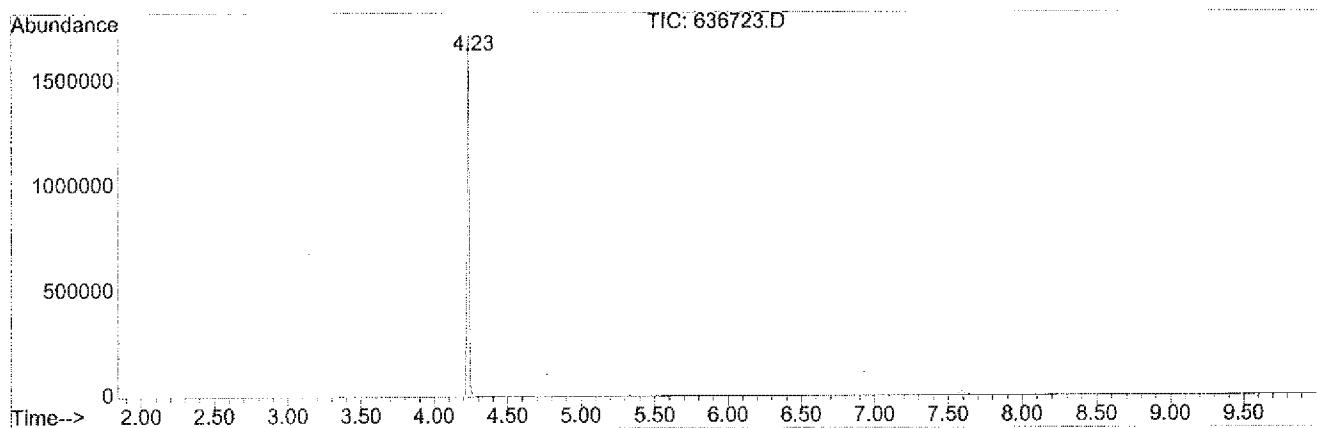
# Area Percent / Library Search Report

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Information from Data File:

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Operator : KAC  
Date Acquired : 6 Jan 2009 19:14  
Sample Name : [REDACTED]  
Submitted by : ASD  
Vial Number : 23  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.229	1613947	100.00	100.00

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# Area Percent / Library Search Report

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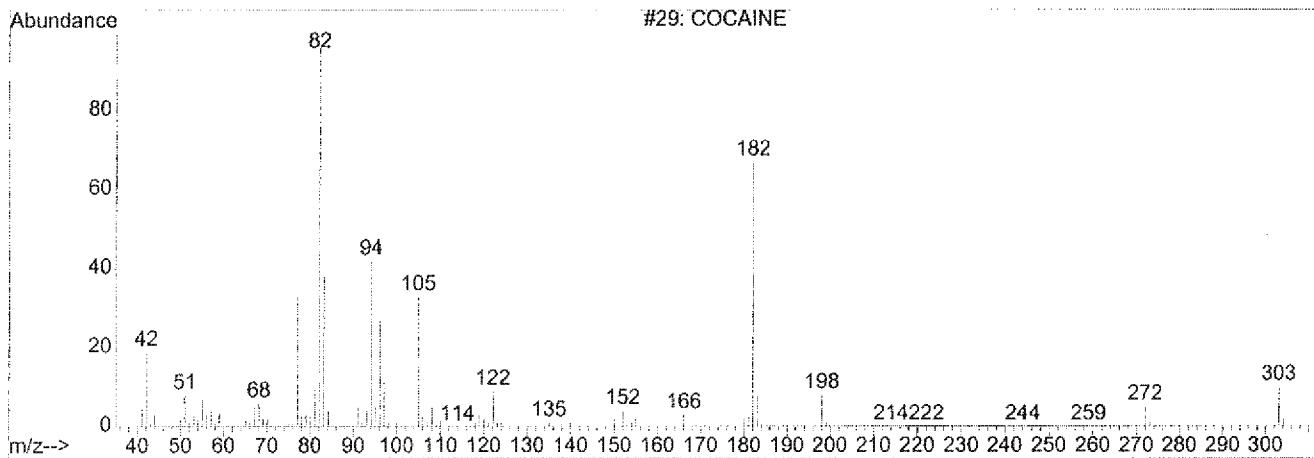
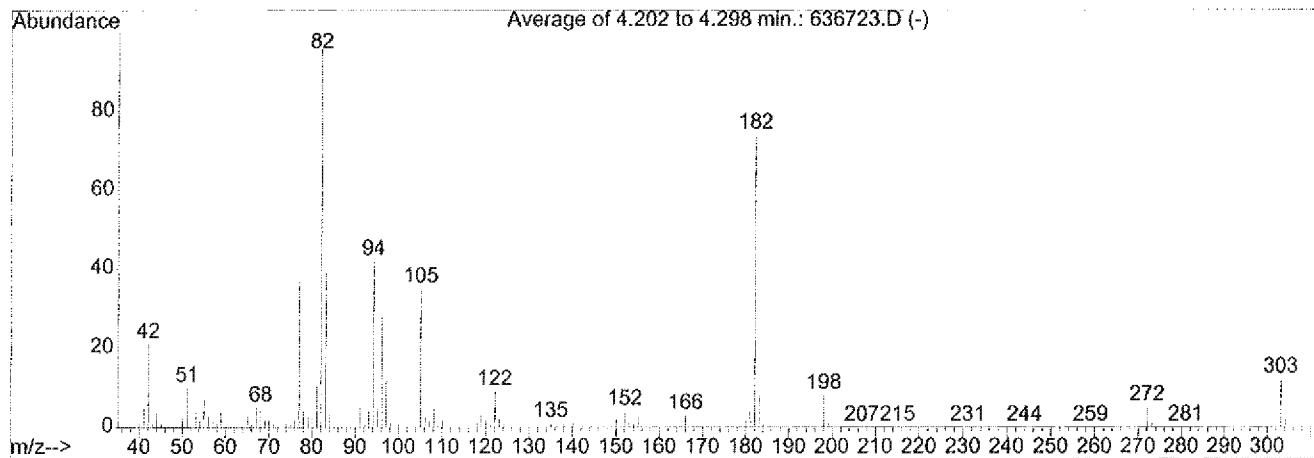
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Operator : KAC  
Date Acquired : 6 Jan 2009 19:14  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 23  
AcquisitionMeth: DRUGS  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
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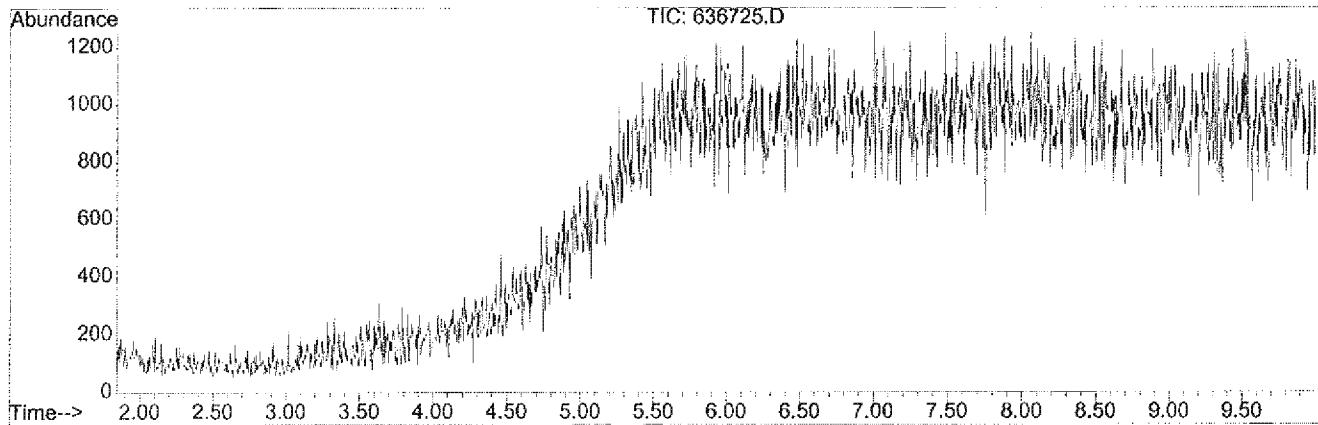
# Area Percent / Library Search Report

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Operator : KAC  
Date Acquired : 6 Jan 2009 19:41  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

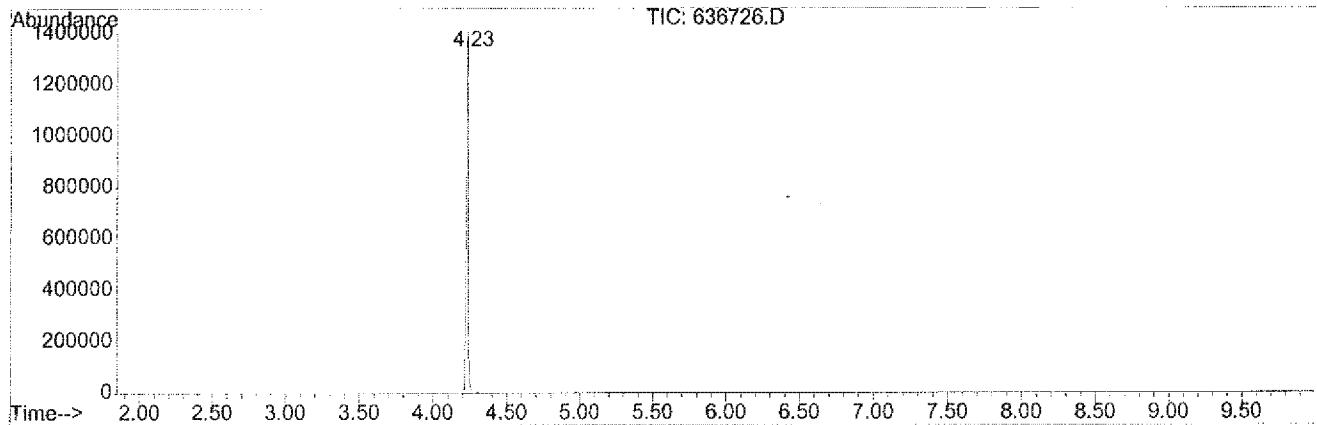
# Area Percent / Library Search Report

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Information from Data File:

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Operator : KAC  
Date Acquired : 6 Jan 2009 19:55  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.229	1268194	100.00	100.00

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# Area Percent / Library Search Report

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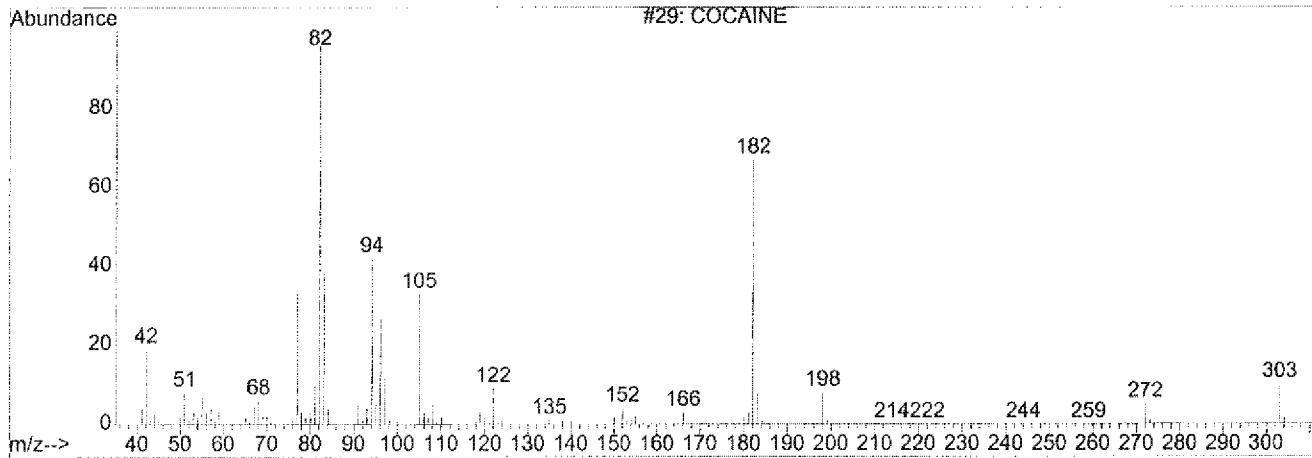
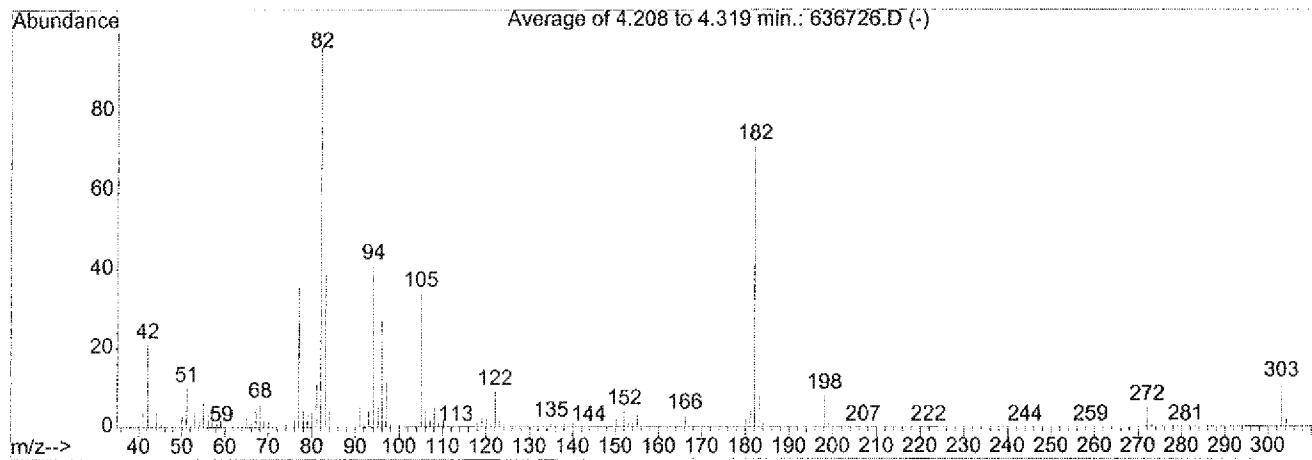
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Date Acquired : 6 Jan 2009 19:55  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
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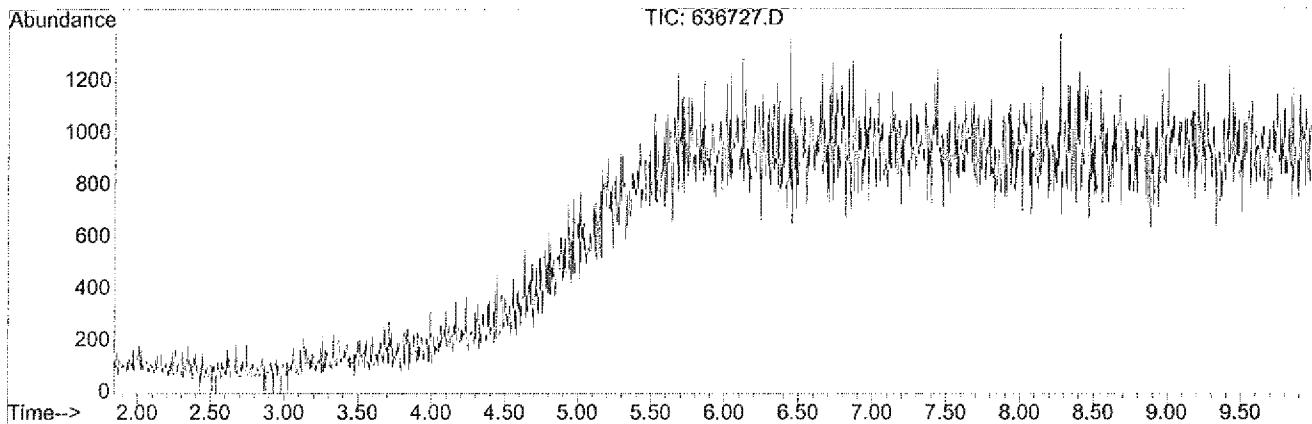
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636727.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 20:09  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

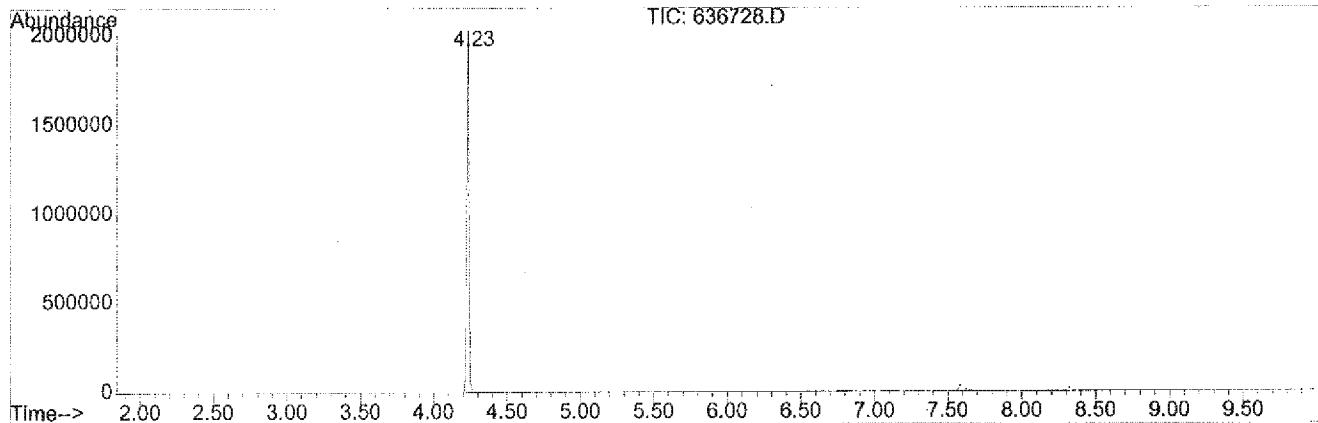
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636728.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 20:23  
Sample Name : [REDACTED]  
Submitted by : ASD  
Vial Number : 28  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.234	2126377	100.00	100.00

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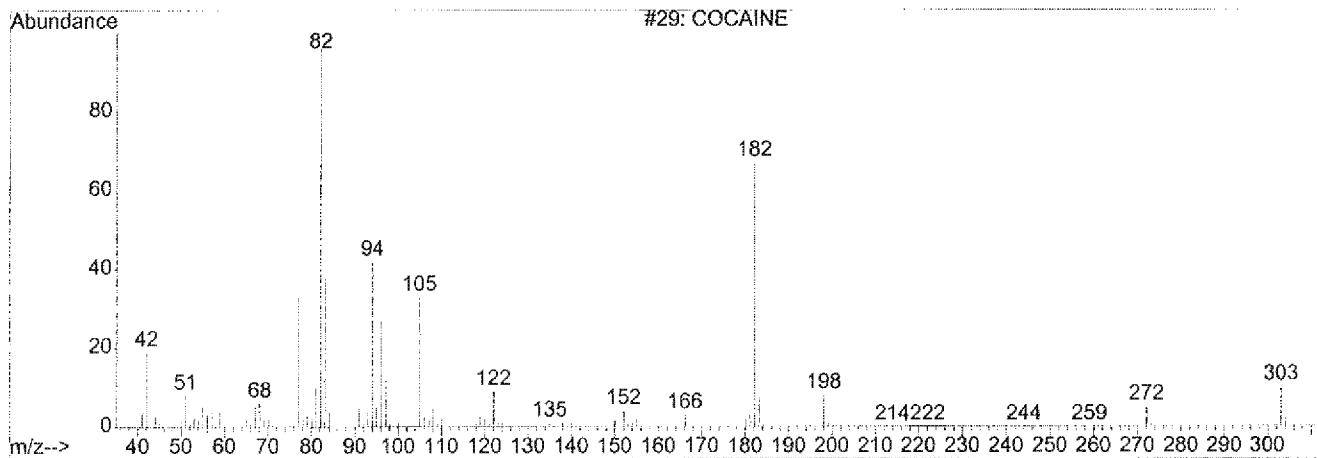
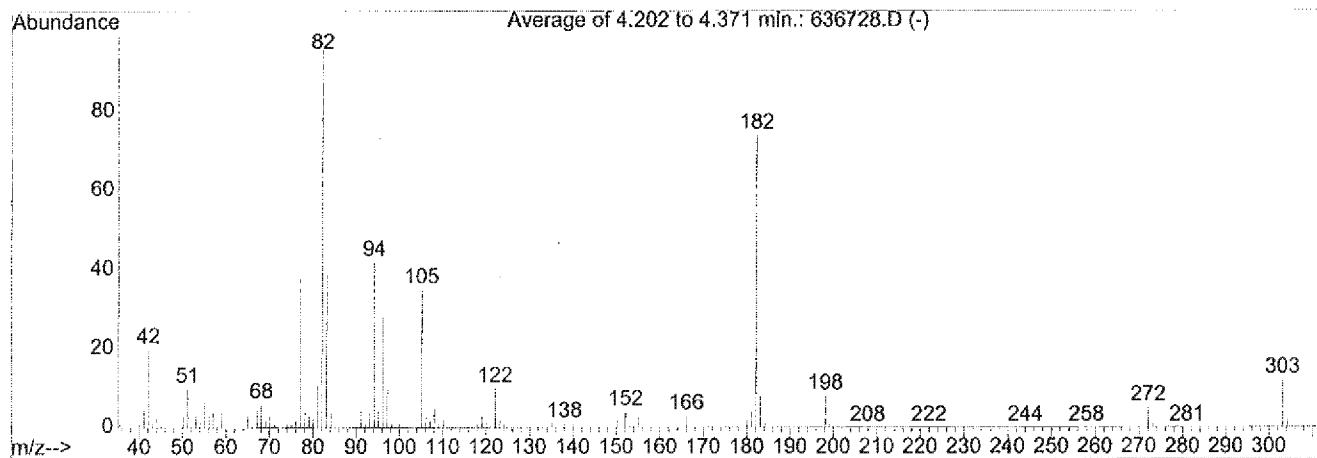
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636728.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 20:23  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 28  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	4.23	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



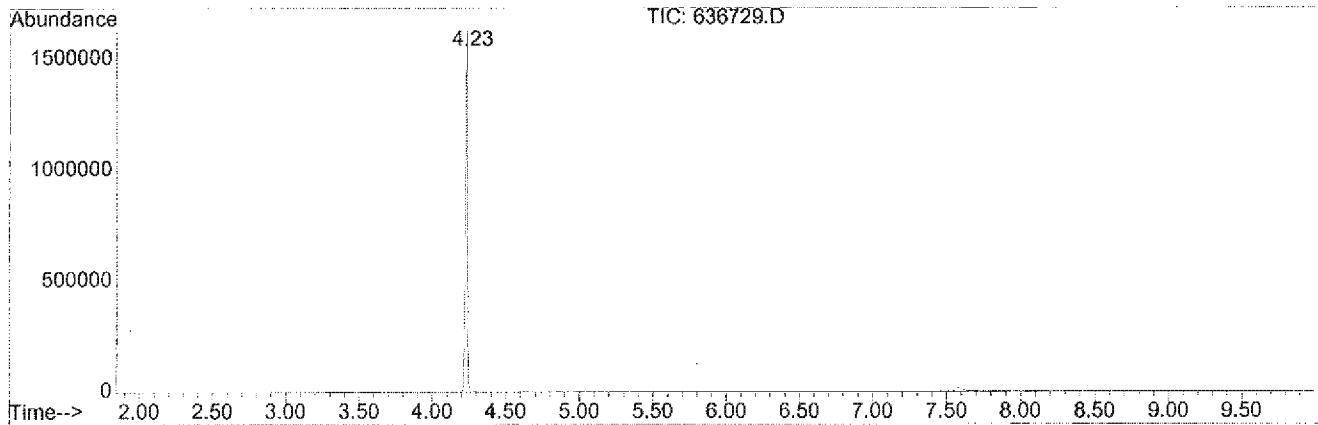
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636729.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 20:36  
Sample Name : [REDACTED]  
Submitted by : ASD  
Vial Number : 29  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



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Ret. Time	Area	Area %	Ratio %
4.230	1474955	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636729.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 20:36  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 29  
AcquisitionMeth: DRUGS  
Integrator : RTE

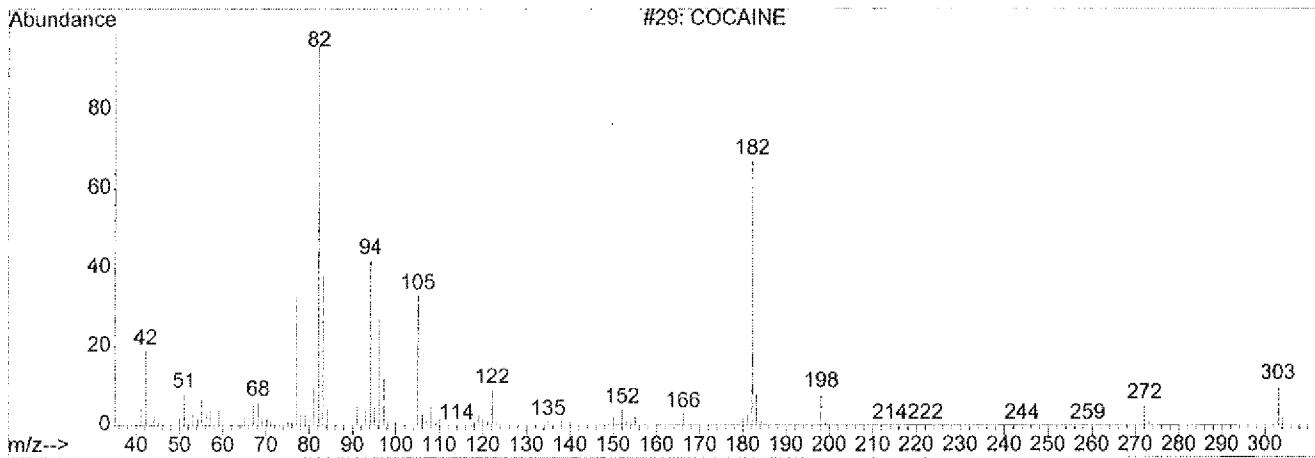
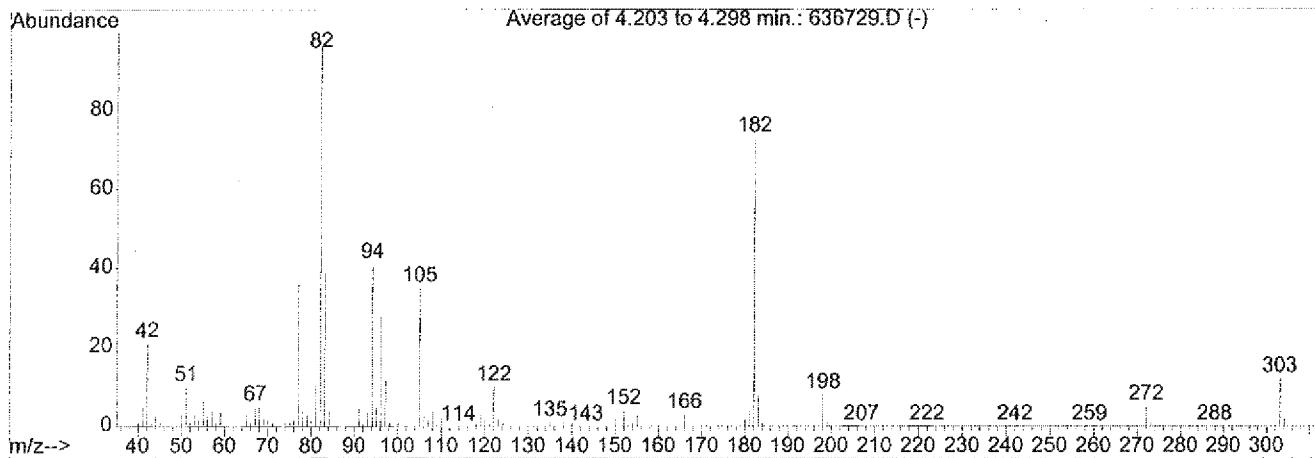
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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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PK#	RT	Library/ID	CAS#	Qual
1	4.23	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

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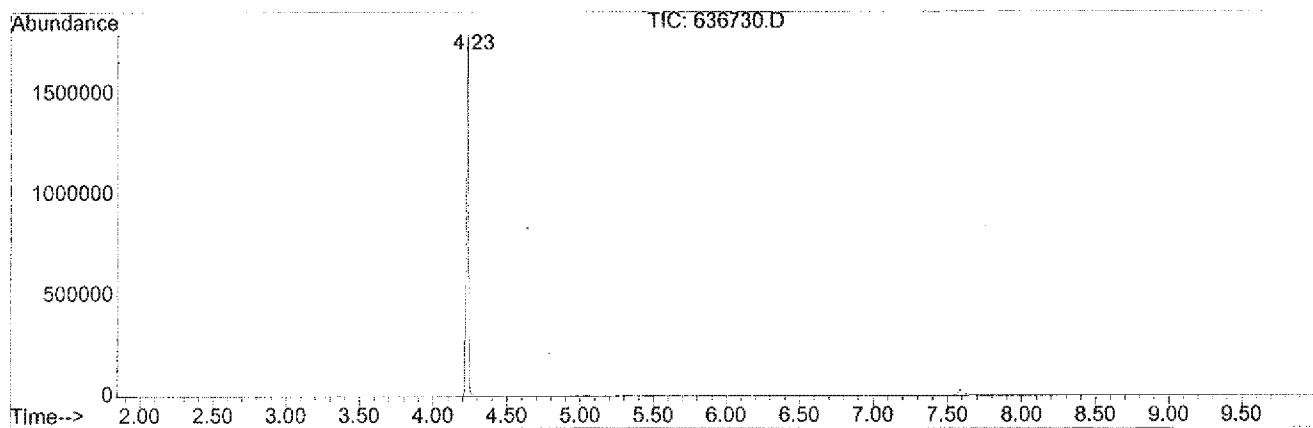
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636730.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 20:50  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 30  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.232	1752078	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636730.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 20:50  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 30  
AcquisitionMeth: DRUGS  
Integrator : RTE

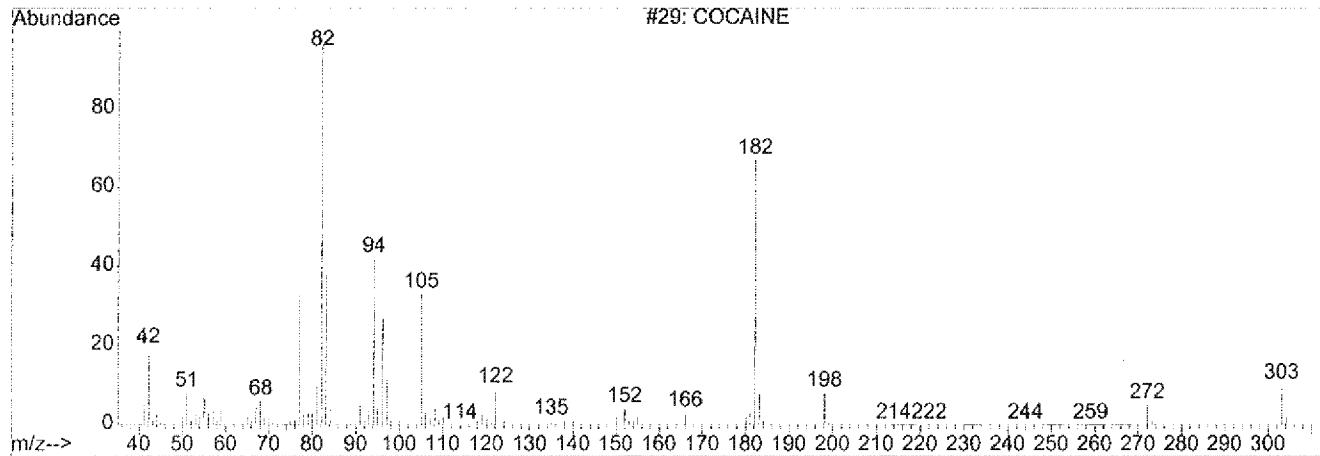
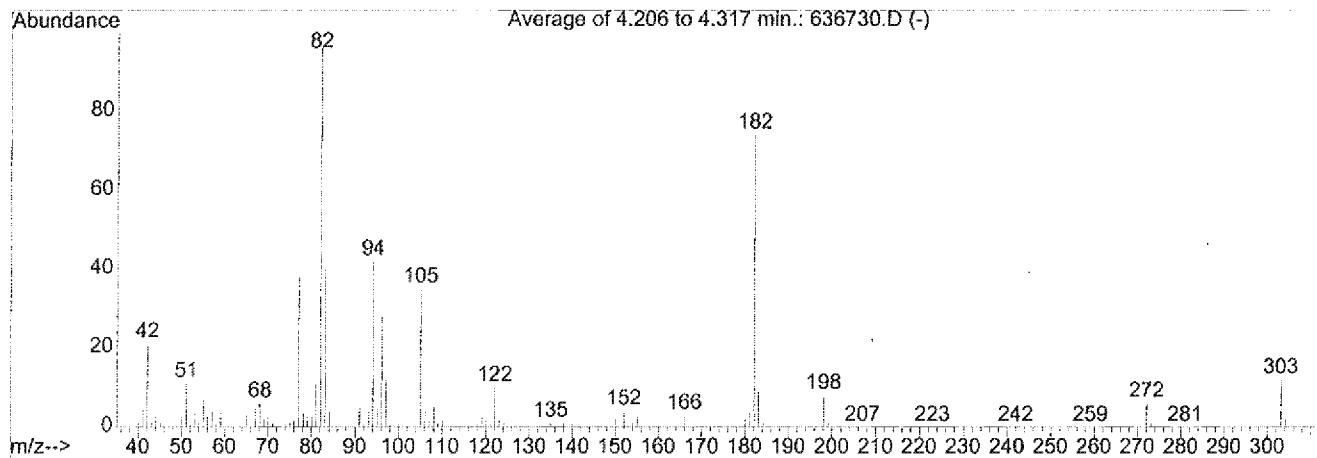
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

---

PK#	RT	Library/ID	CAS#	Qual
1	4.23	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

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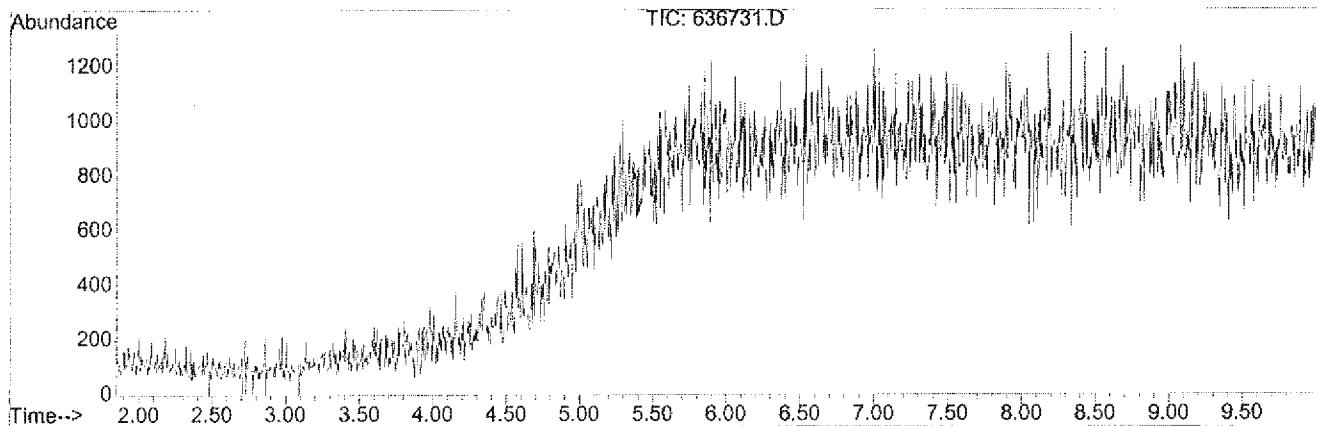
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636731.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:04  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

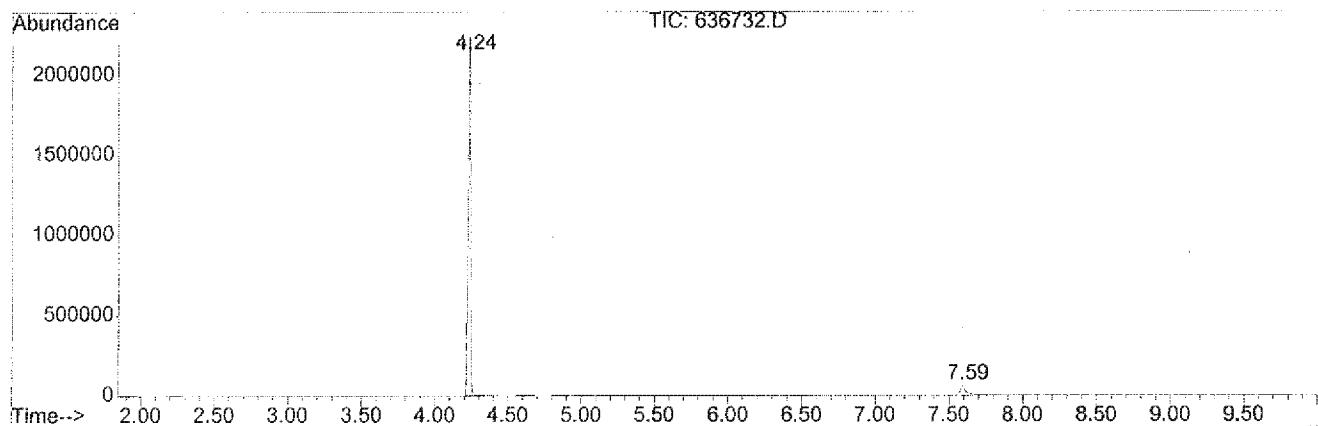
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636732.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:18  
Sample Name : [REDACTED]  
Submitted by : ASD  
Vial Number : 32  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



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Ret. Time	Area	Area %	Ratio %
4.237	2551951	94.02	100.00
7.590	162202	5.98	6.36

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# Area Percent / Library Search Report

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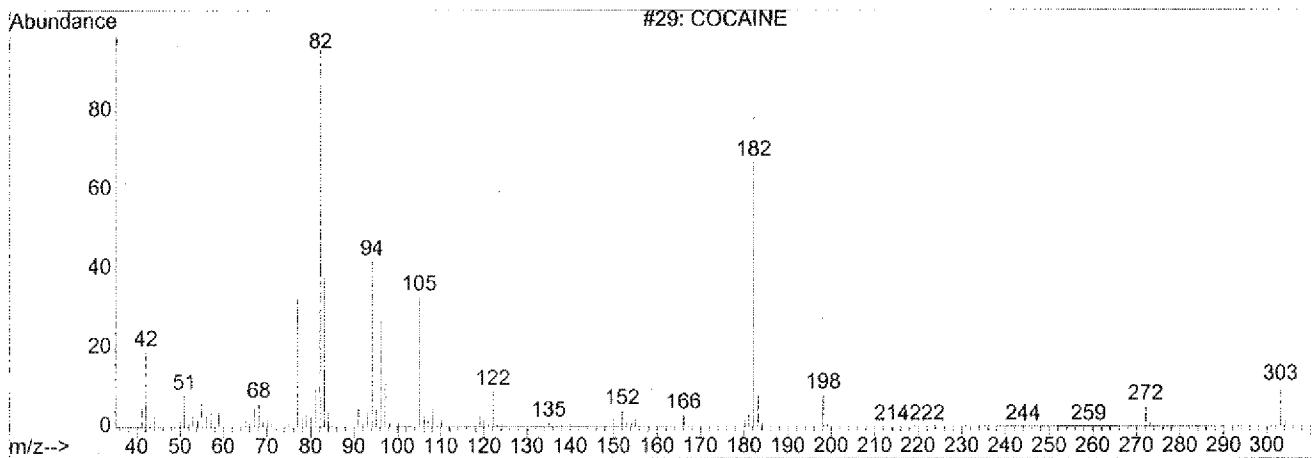
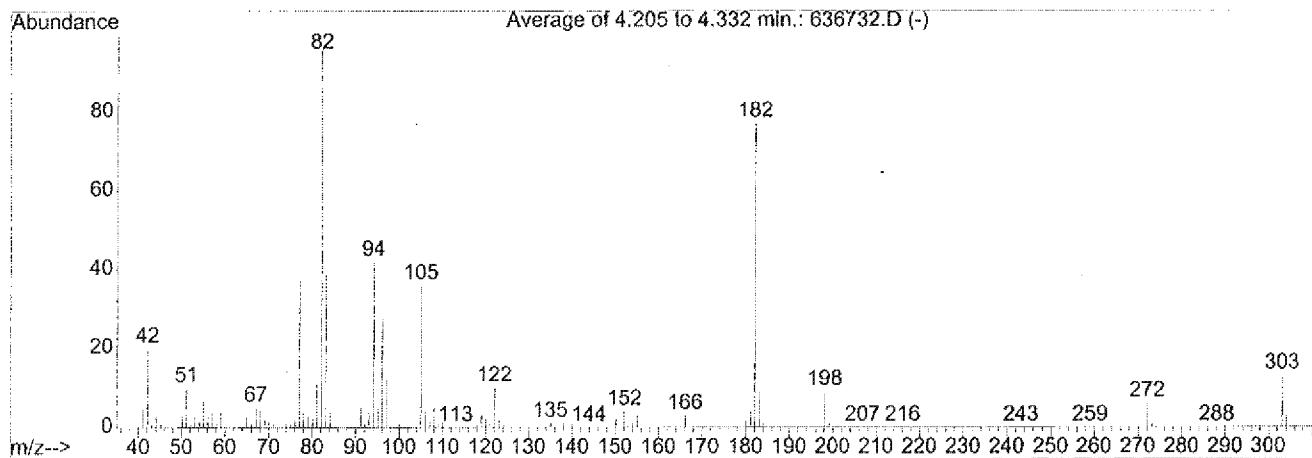
**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636732.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:18  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 32  
AcquisitionMeth: DRUGS  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	4.24	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



# Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636732.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:18  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 32  
AcquisitionMeth: DRUGS  
Integrator : RTE

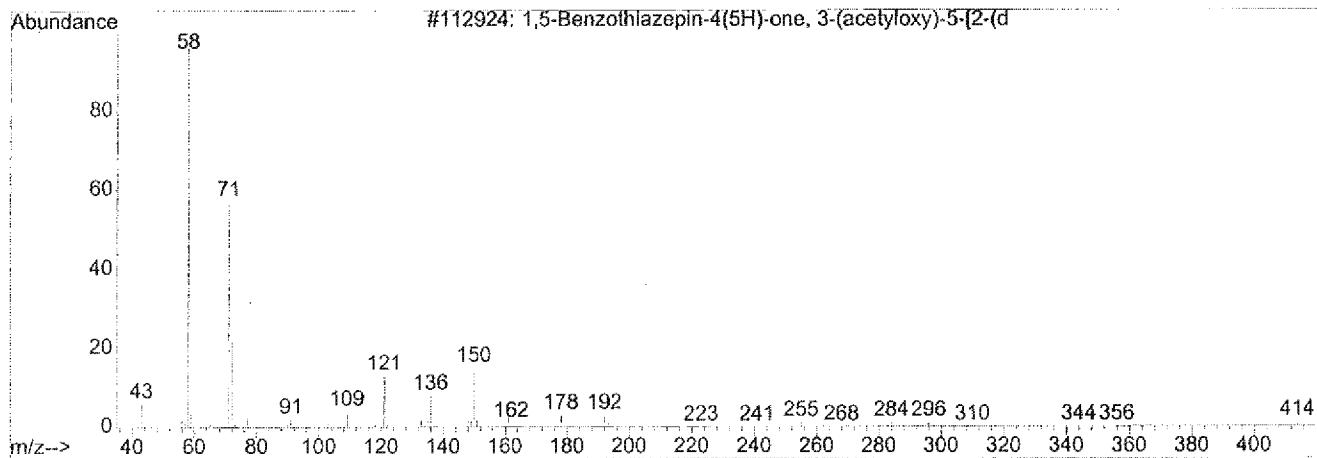
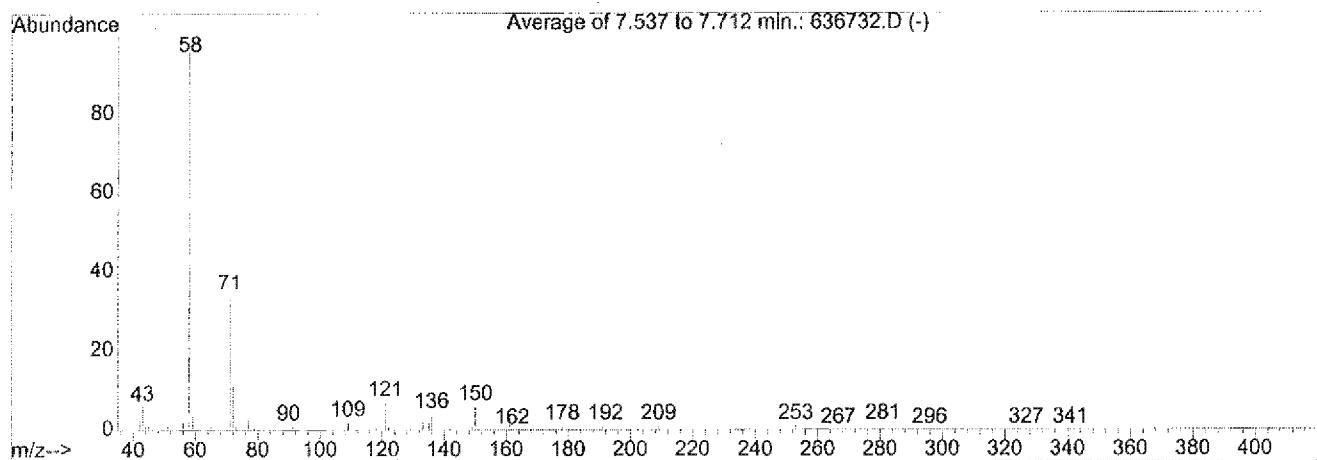
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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PK#	RT	Library/ID	CAS#	Qual
2	7.59	C:\DATABASE\NIST98.L		
		1,5-Benzothiazepin-4 (5H) -one, 3- (ac)	042399-41-7	78
		2-Pentadecanone	002345-28-0	59
		1,5-Benzothiazepin-4 (5H) -one, 3- (ac)	042399-41-7	50

---



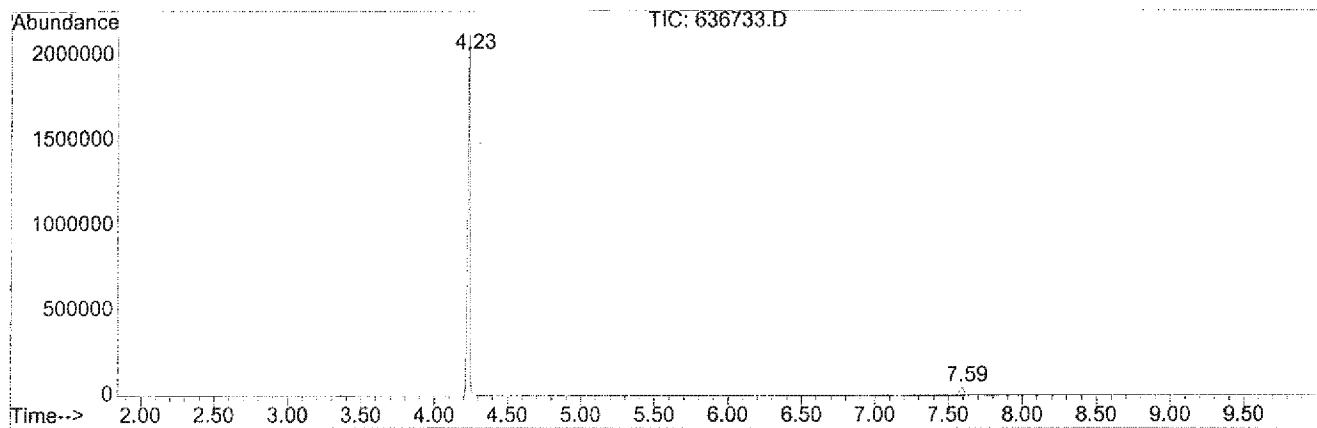
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636733.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:32  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 33  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.233	2175692	94.68	100.00
7.587	122249	5.32	5.62

---

# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636733.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:32  
Sample Name : XXXXXXXXXX  
Submitted by : XXXXXX  
Vial Number : 33  
AcquisitionMeth: DRUGS  
Integrator : RTE

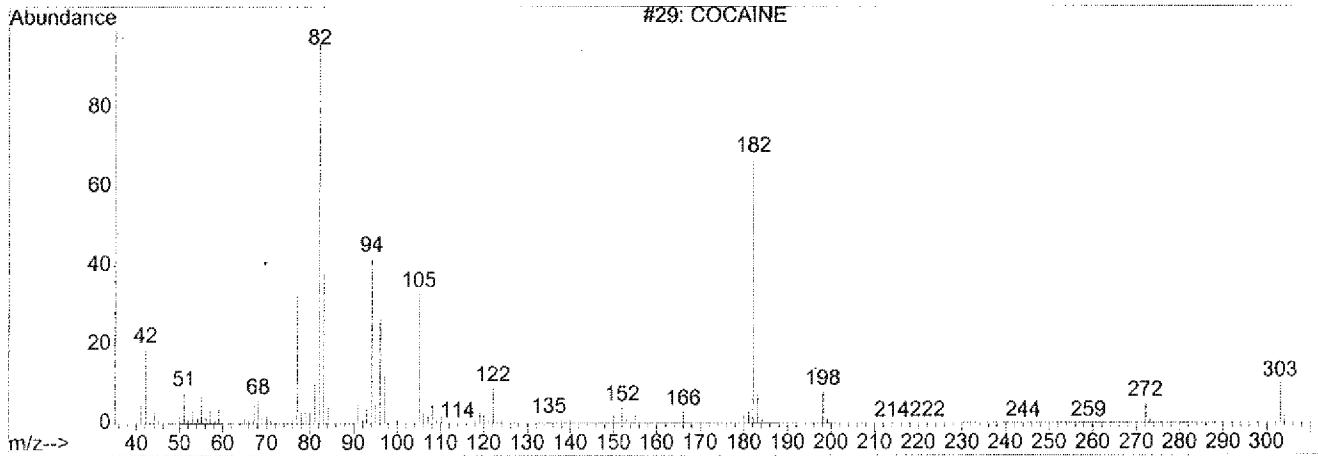
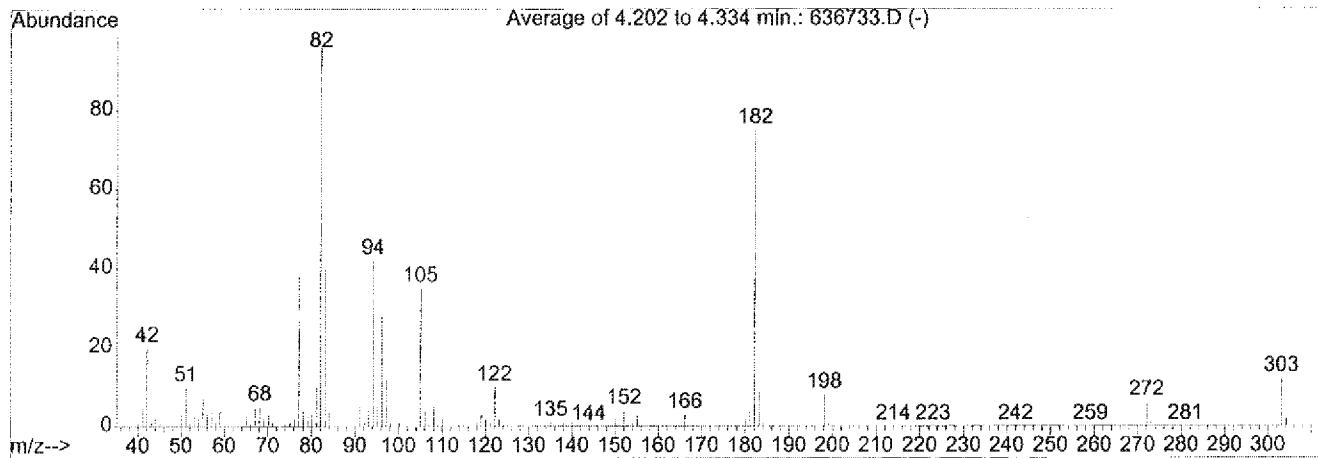
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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

---

PK#	RT	Library/ID	CAS#	Qual
1	4.23	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

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# Area Percent / Library Search Report

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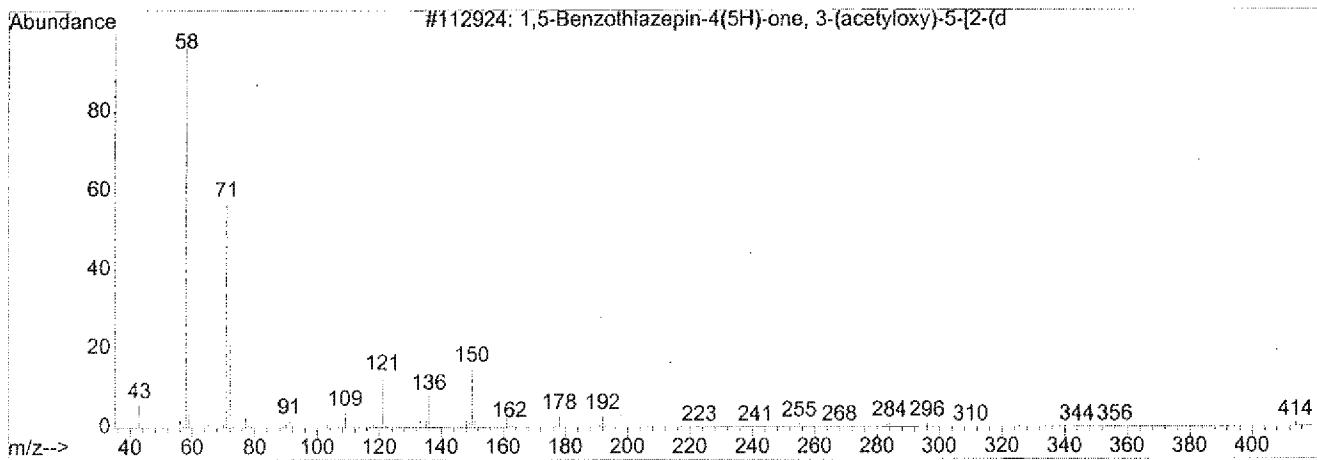
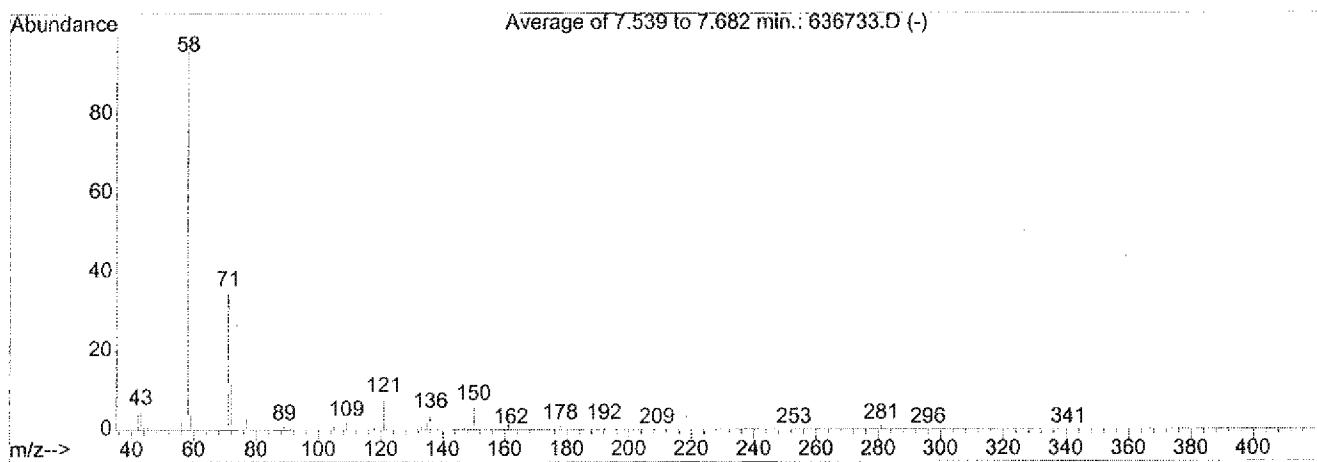
**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636733.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:32  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 33  
AcquisitionMeth: DRUGS  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	7.59	C:\DATABASE\NIST98.L		
		1,5-Benzothiazepin-4(5H)-one, 3-(ac	042399-41-7	78
		2-Pentadecanone	002345-28-0	59
		1,5-Benzothiazepin-4(5H)-one, 3-(ac	042399-41-7	52



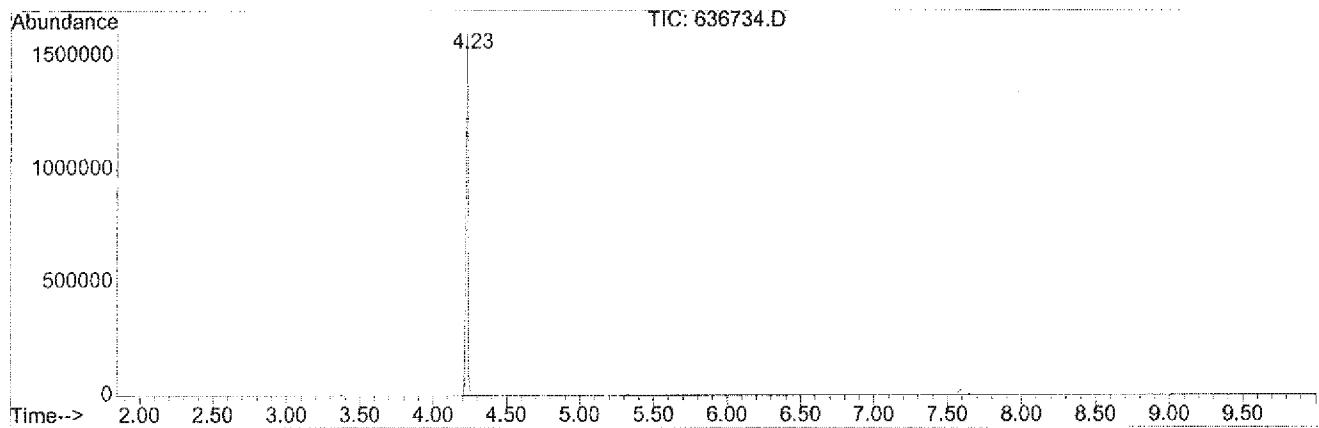
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636734.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:45  
Sample Name : [REDACTED]  
Submitted by : ASD  
Vial Number : 34  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.227	1528071	100.00	100.00

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# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636734.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 21:45  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 34  
AcquisitionMeth: DRUGS  
Integrator : RTE

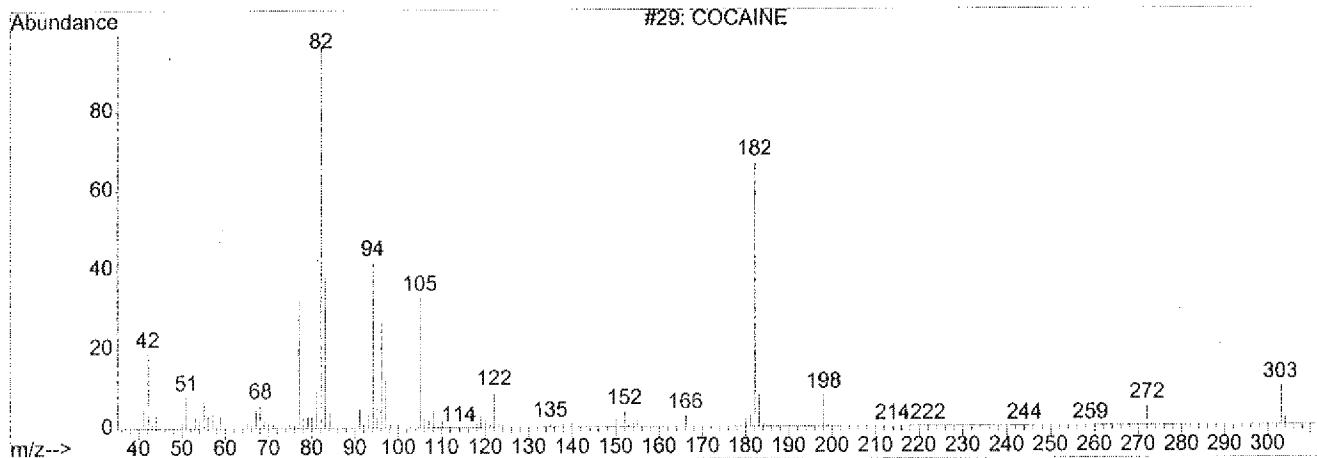
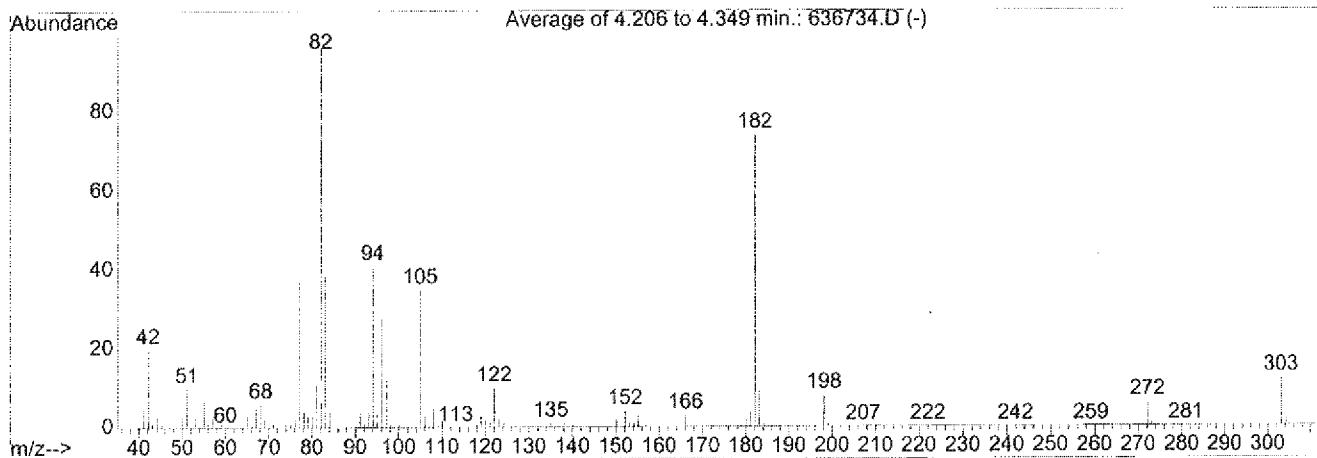
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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PK#	RT	Library/ID	CAS#	Qual
1	4.23	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

---



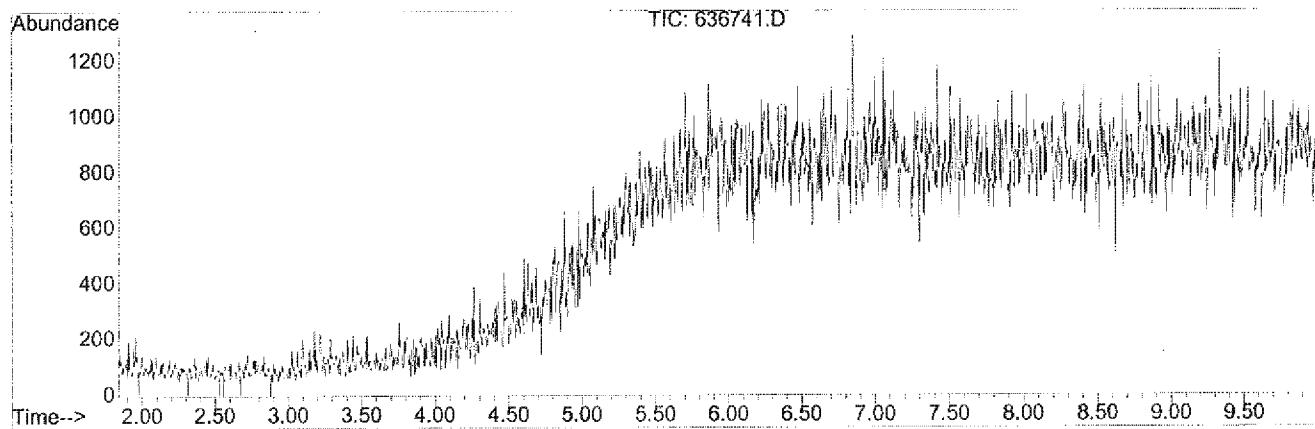
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636741.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 23:22  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

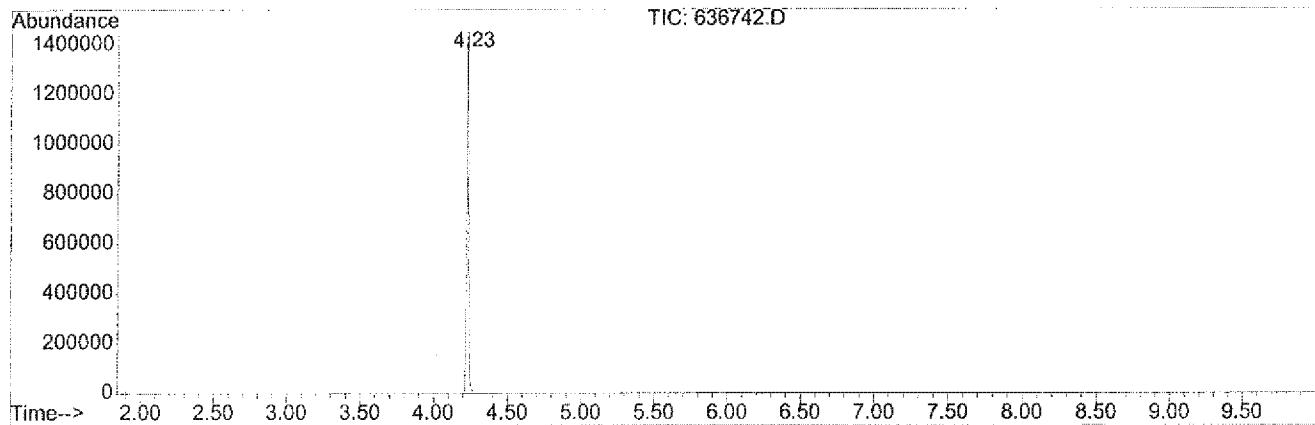
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636742.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 23:35  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
4.229	1307030	100.00	100.00

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# Area Percent / Library Search Report

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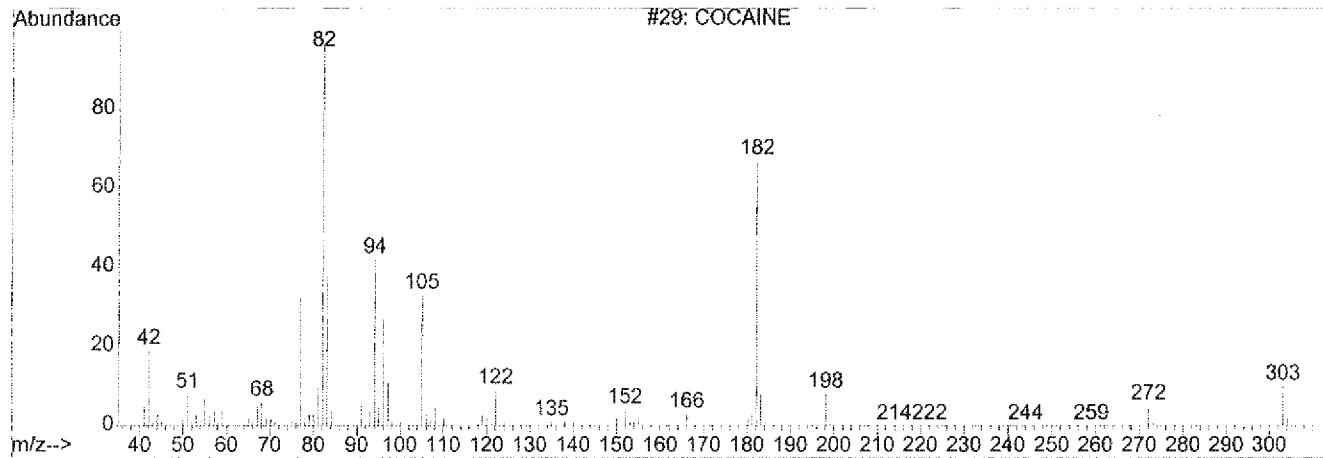
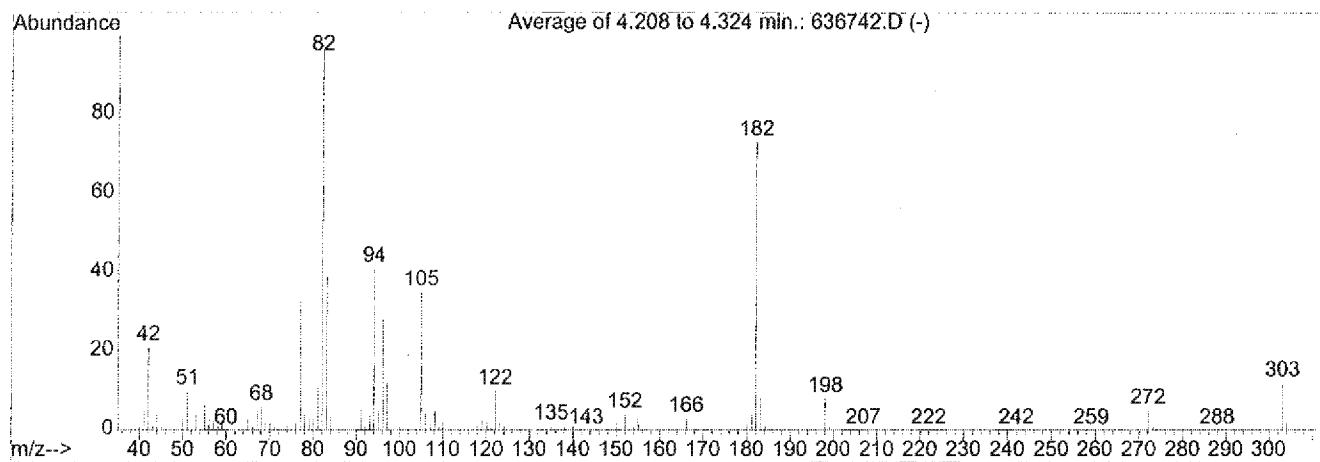
**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM4\01\_06\_09\636742.D  
Operator : KAC  
Date Acquired : 6 Jan 2009 23:35  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

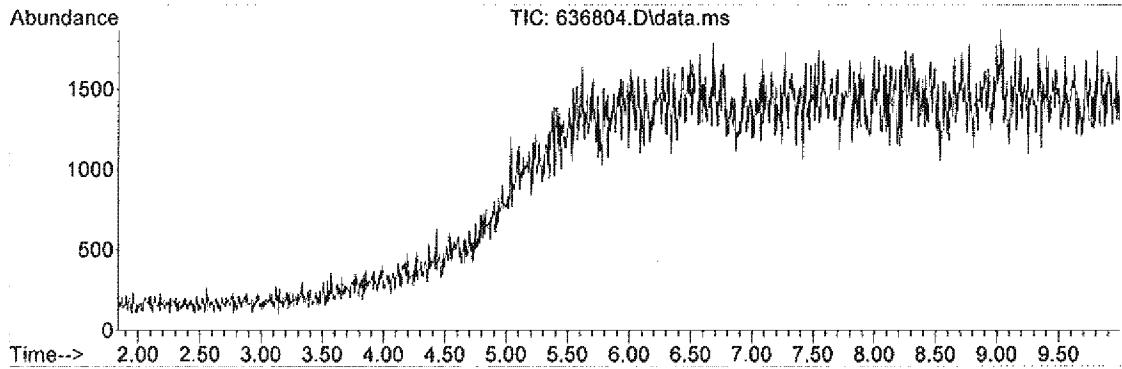
PK#	RT	Library/ID	CAS#	Qual
1	4.23	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



✓KAC  
12/7/11

## Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636804.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 9:36  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

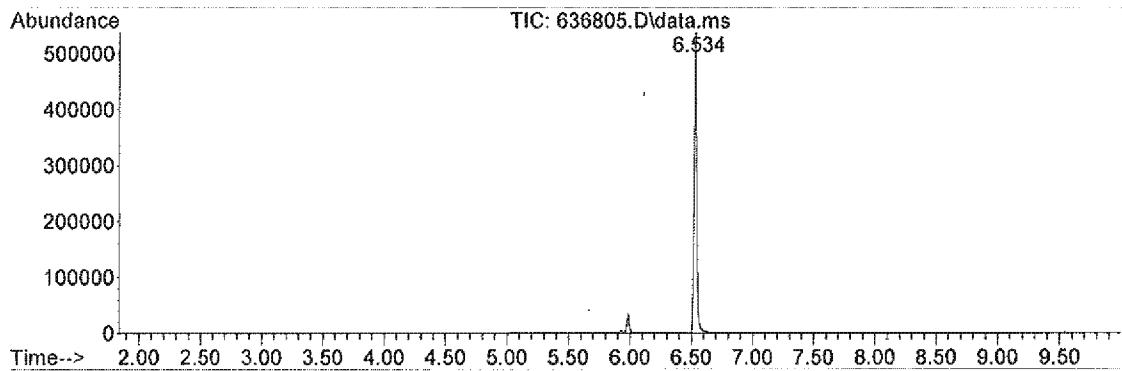
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636805.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 9:48  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.534	775957	100.00	100.00

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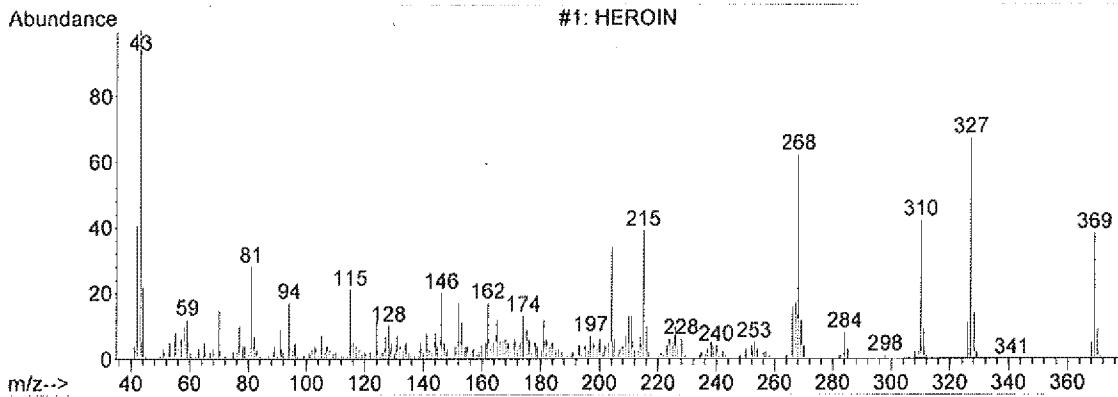
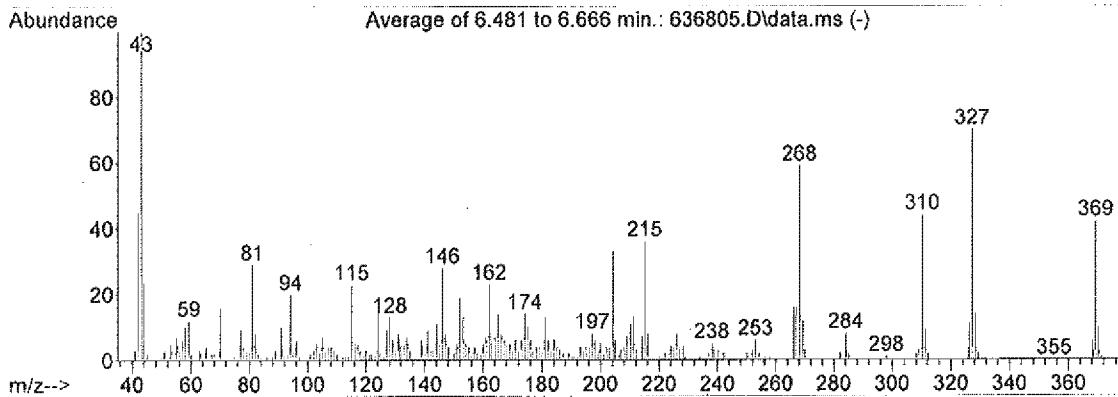
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636805.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 9:48  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.53	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	4



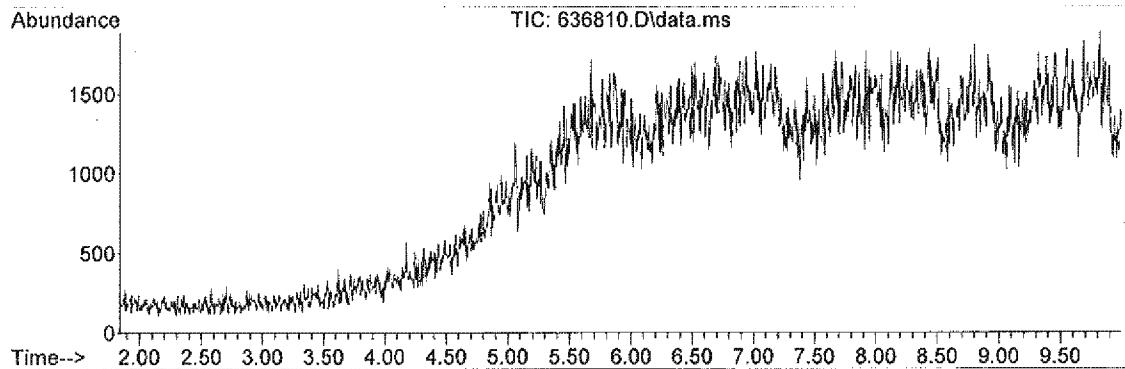
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636810.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 10:53  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

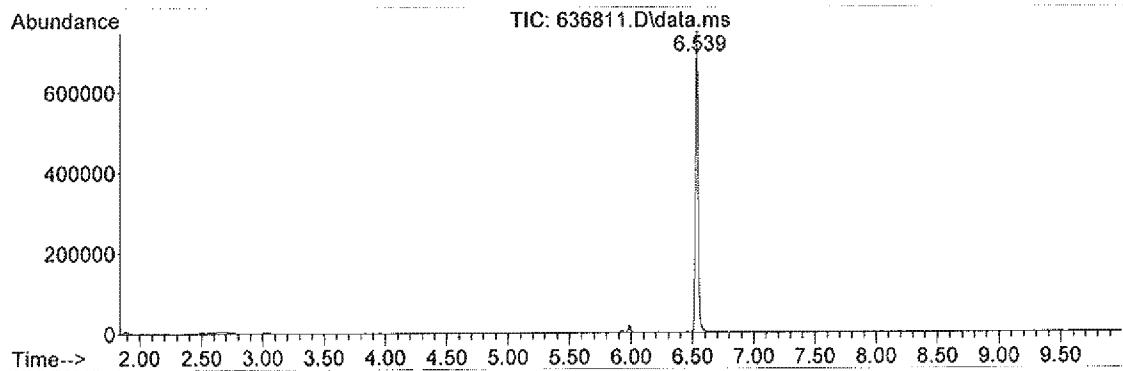
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636811.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 11:05  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 11  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.539	1105659	100.00	100.00

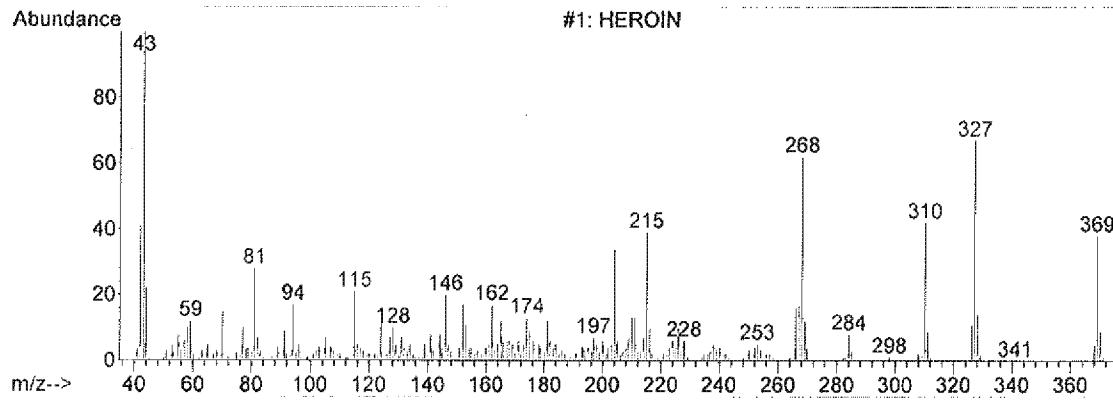
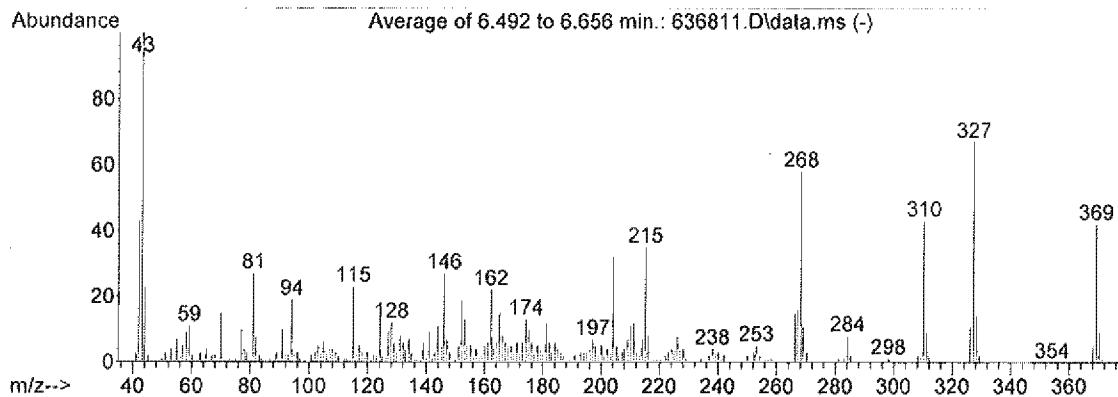
---

## Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636811.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 11:05  
Sample Name : XXXXXXXXXX  
Submitted by : XXXXXX  
Vial Number : 11  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

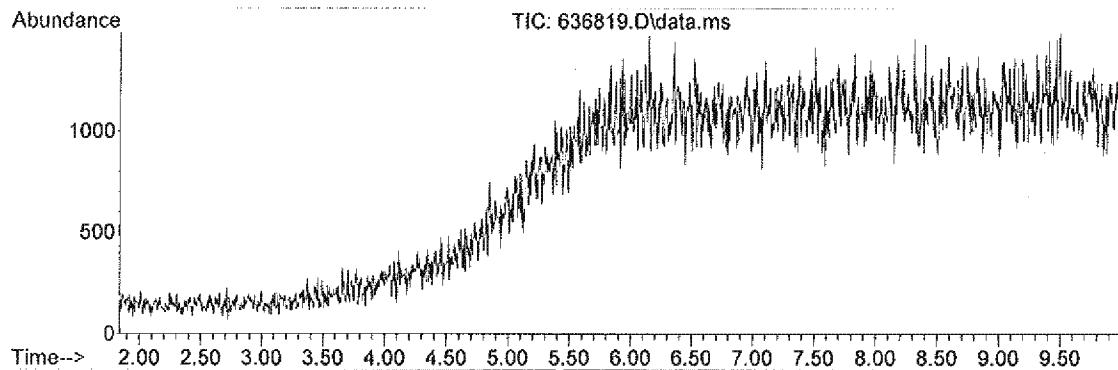
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.54	C:\Database\SLI.L HEROIN	000561-27-3	99



## Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636819.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 12:47  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

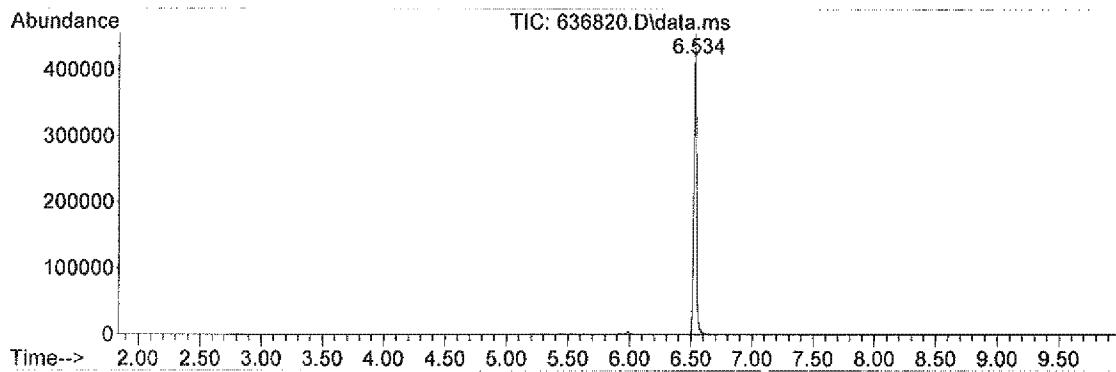
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636820.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 13:00  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 20  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

---



Ret. Time	Area	Area %	Ratio %
6.534	652222	100.00	100.00

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## Information from Data File:

File Name : F:\Q1-2009\SYSTEM7\01\_07\_09\636820.D  
Operator : KAC  
Date Acquired : 7 Jan 2009 13:00  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 20  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.53	C:\Database\SLI.L HEROIN	000561-27-3	99

